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SOFT PIPE FOR ENDOSCOPE

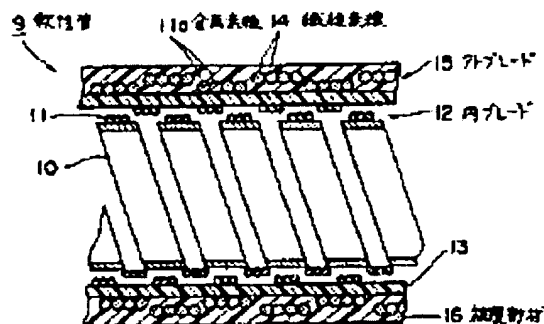
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Inventor: TAKAGI TAKESHI; OKUBO AKIHIRO; KAWASE TOSHIO; MATSUMOTO JUN
Applicant: OLYMPUS OPTICAL CO
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Abstract of JP63271216

PURPOSE: To prevent damage, etc., of braides and to provide an endoscope having excellent operability by covering the outside surface of the soft pipe body with the braides formed by braiding metallic strands and fiber strands having adhesive power to a synthetic resin, packing the synthetic resin therein and embedding the braides therein.

CONSTITUTION: The soft pipe 9 is inserted therein with a spiral pipe 10, on the outside surface of which a net-like pipe 12 (inside braide) is mounted. The outer circumference of the inside braide is airtightly covered with a highly flexible tube member 13. The outer circumference of the tube member 13 is covered with a soft (flexible) net-like pipe 15 (outside braide) formed by blending the metallic strands 11a and the fiber strands 14 formed of heat resistant high tensile fibers such as, for example, polyamide fibers, having the high adhesive strength to the synthetic resin and knitting the blends like a net. The outermost circumference of the outside braide 15 is packed by a covering member 16 consisting of the synthetic resin such as fluororubber and this outside braide 15 is embedded in the fluororubber. The operability at the time of inserting and removing is thereby improved and the damage, etc. of the metallic strands are prevented.



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